



Industrial
Lubricants



Automotive
Lubricants



Biodegradable
Lubricants



Agricultural
Lubricants



Cleaning &
Maintenance



Greases &
Pastes



Foodsafe
Lubricants



Heritage Oils



Lubrication
Equipment



Metalworking
Fluids



Metagrind DF

High Lubricity Neat Grinding Fluid
Product Code: AFC

Product Description

Pennine Metagrind DF is a specially developed neat grinding fluid for use in high speed grinding operations particularly on hard materials. Based on highly refined mineral oil it incorporates special surface active and lubricity agents as well as other performance additives to offer good inherent lubricity, and excellent surface finish.

Applications

Metagrind DF has been developed for use in heavy duty form grinding operations such as flute grinding of cutting tools where high wheel speeds and feed rates are used. The main application for this product is in the grinding of solid carbide where its low viscosity combined with its high lubricity both reduce heat generated and cool the workpiece. Other hard materials such as high-speed steel are also ground using this product where burning may be reduced significantly. The product is designed to effectively flush grinding fines from the machine helping to keep the machine clean.

Typical Test Data

Density @ 15°C	0.875
K.V. @ 40°C (cSt)	22
Flash Point (°C)	204

Availability

Pennine Metagrind DF is available in bulk, 1000 litre IBC's 205 litre barrels and 25 litre drums.

Storage

Barrels of lubricant should always be stored in such a way that will prevent the ingress of water when stored in the open.

Health & Safety

Please refer to the relevant Health and Safety Data Sheet, a copy of which is freely available to all our customers.

Data represented is typical of that obtained with normal production tolerances and does not constitute a specification. The policy of Pennine Lubricants is one of continual improvement, we therefore reserve the right to change specifications without notice.



Certificate Number: 9480
ISO 9001



Pennine Lubricants Limited Company reg no. 3510091



32 Atlas Way,
Sheffield, S4 7QQ

T. 0114 285 2987
E. info@penninelubricants.co.uk
W. www.penninelubricants.co.uk